

## Rabbit anti-Human SGCB Polyclonal Antibody | anti-SGCB antibody

SGCB Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA234820 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

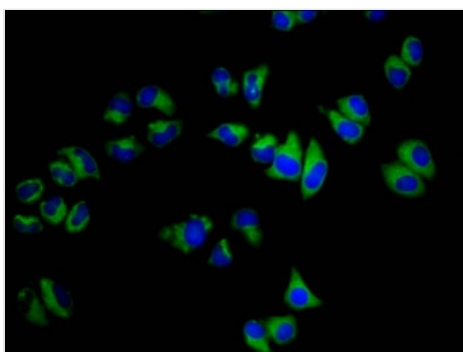
### PRODUCT SYNONYMS

SGCB; Polyclonal Antibody; SGCB Antibody; Beta-sarcoglycan; Beta-SG; 43 kDa dystrophin-associated glycoprotein; 43DAG; A3b; anti-SGCB antibody

### PRODUCT SPECIFICATIONS

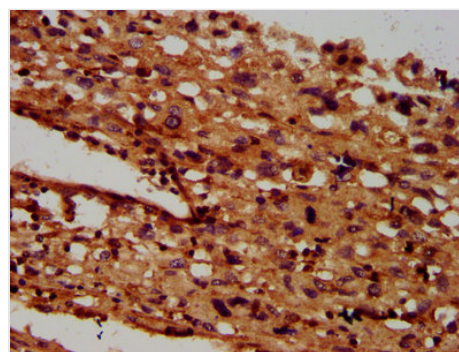
|                                                |                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                           |
| Reactivity                                     | Human                                                                            |
| Clonality                                      | Polyclonal                                                                       |
| Isotype                                        | IgG                                                                              |
| Purity/Purification                            | >95%, Protein G purified                                                         |
| Form/Format                                    | Liquid                                                                           |
| Sequence Length                                | 318                                                                              |
| Applicable Applications for anti-SGCB antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                       |
| Immunogen                                      | Recombinant Human Beta-sarcoglycan protein (124-219AA)                           |
| Conjugation                                    | Non-conjugated                                                                   |
| Buffer                                         | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                        | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA234820 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



#### IHC (Immunohistochemistry)

IHC image of AAA234820 diluted at 1:600 and staining in paraffin-embedded human melanoma cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                             |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SGCB antibody | Component of the sarcoglycan complex, a subcomplex of the dystrophin-glycoprotein complex which forms a link between the F-actin cytoskeleton and the extracellular matrix. |
| Product Categories/Family for anti-SGCB antibody   | <a href="#">Signal Transduction</a>                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | 4506913                                                                  |
| NCBI GeneID                      | 6443                                                                     |
| NCBI Accession #                 | <a href="#">NP_000223.1</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000232.4</a>                                              |
| UniProt Accession #              | <a href="#">Q16585</a> ; <a href="#">O00661</a> ; <a href="#">B7Z635</a> |
| Molecular Weight                 | 26,924 Da                                                                |
| NCBI Official Full Name          | beta-sarcoglycan                                                         |
| NCBI Official Synonym Full Names | sarcoglycan beta                                                         |
| NCBI Official Symbol             | SGCB                                                                     |
| NCBI Official Synonym Symbols    | A3b; SGC; LGMD2E                                                         |
| NCBI Protein Information         | beta-sarcoglycan                                                         |
| UniProt Protein Name             | Beta-sarcoglycan                                                         |
| UniProt Gene Name                | <b>SGCB</b>                                                              |
| UniProt Synonym Gene Names       | Beta-SG; 43DAG                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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